

**REACTION CONTAINER**

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**Abstract**

**PURPOSE:** To make it possible to eliminate intricacy from reagent distributing operation and also to reproduce a constant reacting condition at all times, by enabling a closed type reagent preserving container to serve the purpose of a reaction container at the same time.

**CONSTITUTION:** A flat plate 2, which is made of plastics or glass, etc., is provided with circular depressions 3, and these depressions 3 are filled, by an automatic distributing machine, etc., with a reagent and a buffer solution, etc., to be used for aggregating reaction. On the top surface of the plate 2, a non-air-permeable transparent film 4 is stuck in order to seal and protect the reagent in the depressions 3. When a reaction container 1 is used, a pipette 30 is stuck into the film 4 to distribute specimen into the depressions 3. And then, in order to accelerate reaction between the specimen and the reagent which has already been put into the depressions to prescribed volume, the container 1 is shaken, and then, the container is set still for confirmation of presence of lumpy aggregate by the reaction between the specimen and the reagent. It is possible, by doing so, to examine a large quantity of specimen with rapidity and accuracy.

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⑮ 反応容器

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⑯ 特 願 昭55-185753  
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明 細 書

1. 発明の名称 反応容器
2. 特許請求の範囲

- (1) 凝集反応を測定する反応容器であって、この反応容器は平盤上のプレートに1乃至複数の凹所を形成し、かつこの凹所内にあらかじめ抗血清、緩衝液等の凝集塊を生ぜしめる反応試薬を充填するとともに、プレート上面に非通気性の透明フィルム乃至シートを貼着して上記凹所内に充填された試薬を保護密封したことを特徴とする反応容器。
- (2) 上記凹所は試薬保存部分と反応部分とに区画されているとともに、外部操作により連通するよう構成されていることを特徴とする特許請求の範囲第1項記載の反応容器。
- (3) 上記反応容器は少なくともその凹所が光透過性材料から構成されていることを特徴とする特許請求の範囲第1項または第2項記載の反応容器。

て、被検体との反応による生成粒子と反対色に着色されていることを特徴とする特許請求の範囲第1項または第2項記載の反応容器。

- (5) 上記凹所は複数形成されているとともに、これら各凹所の各試薬保存部分には、種類、濃度及び／あるいは量の異なる試薬が夫々に充填されていることを特徴とする特許請求の範囲第1項乃至第4項のいずれかに記載の反応容器。
- (6) 上記各試薬保存部分には同一試薬であって、濃度及び／あるいは量の異なる試薬が夫々に充填されていることを特徴とする特許請求の範囲第5項記載の反応容器。

3. 発明の詳細な説明

この発明は凝集反応を利用した臨床検査に際して用いられる抗血清等の試薬を一回の検査に必要な分量だけ小分けして保存し、かつ検査に際してはこの保存部分を反応容器としてそのまま用いることができるようにした反応容器に関する。

REFERENCE (3)

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Applicant: Tsunemitsu Corp.  
Inventor: Wakabayashi Atumi

Title of Invention: "Reaction Container"

Number of Independent Claim(s): 6

**English abstract of JP-A-57-113364**

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